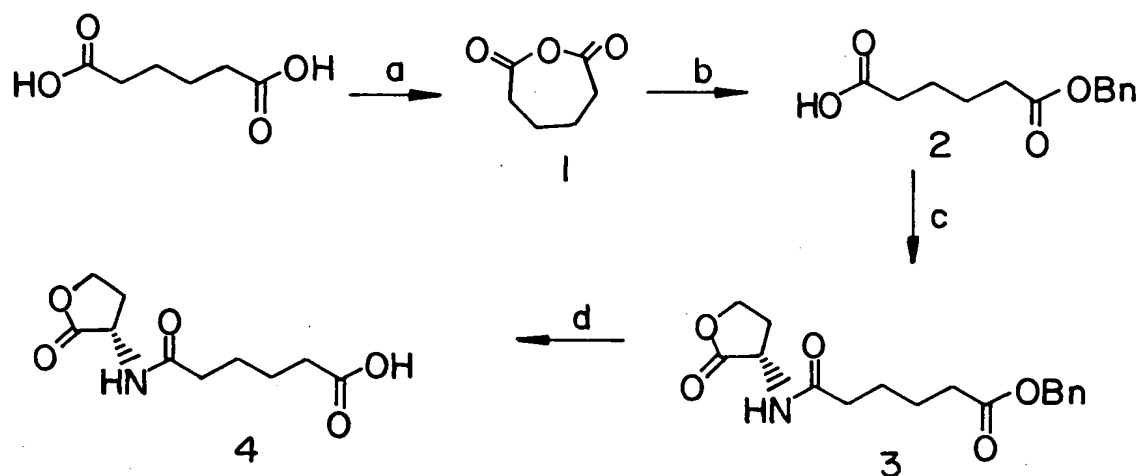


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Scheme 1[†]



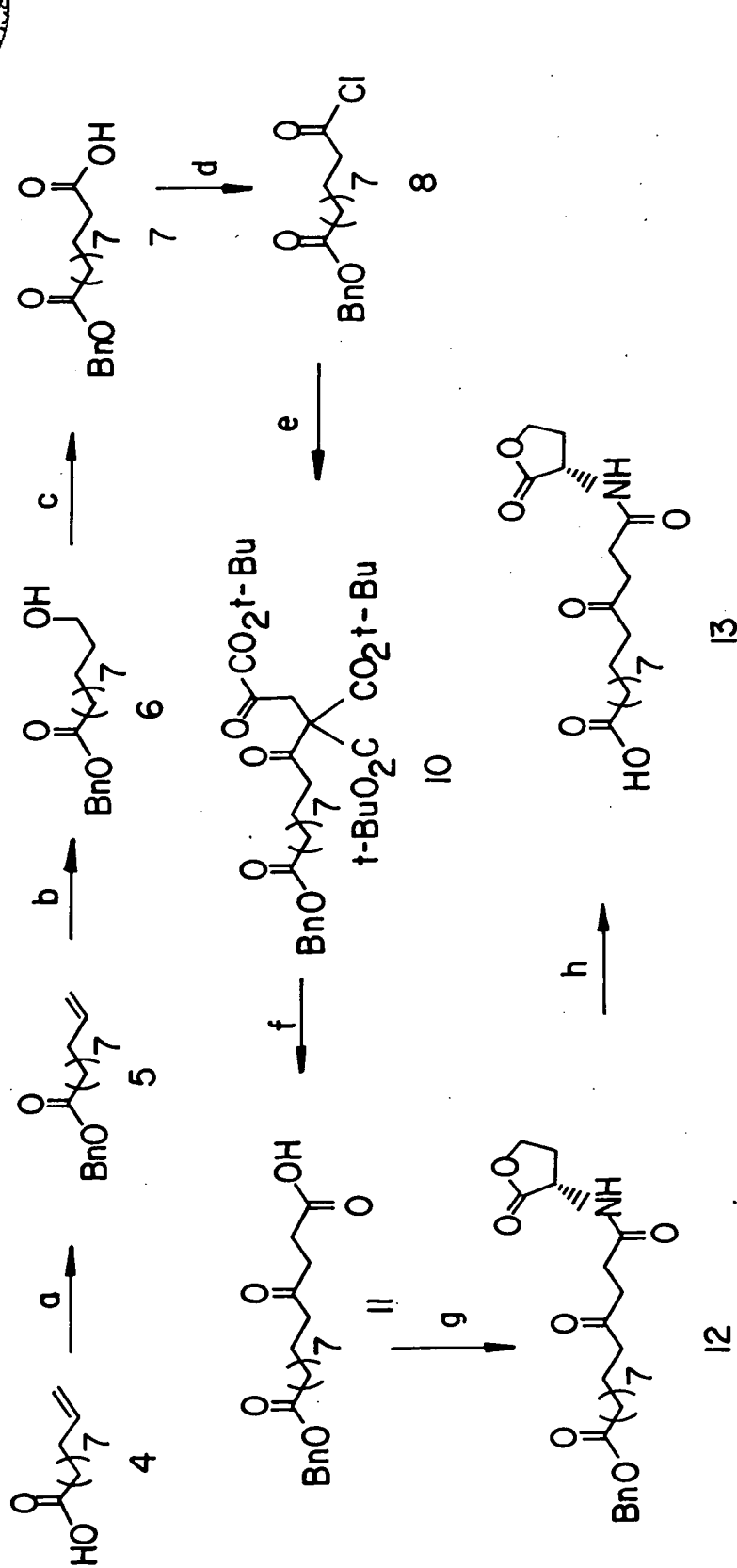
- [†] a. Ac_2O , reflux
b. $\text{C}_6\text{H}_5\text{CH}_2\text{OH}/\text{CH}_2\text{Cl}_2$
c. homoserine lactone hydrobromide, EDC, HCl, CH_2Cl_2 , pyridine
d. Pd/C, H_2 , EtOAc

FIG. 1.



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Scheme 2^t



a. K_2CO_3 , BnBr, DMF

b. (1) BH_3/THF , (2) NaOH, H_2O_2

c. pyridinium dichromate, DMF

d. $(COCl)_2$, toluene

e. NaH, 9, THF

f. p-TsOH, toluene, reflux

g. EDCI, CH_2Cl_2 , homoserine lactone hydrobromide, Hunig's base

h. Pd/C (10%), H_2

FIG. 2.



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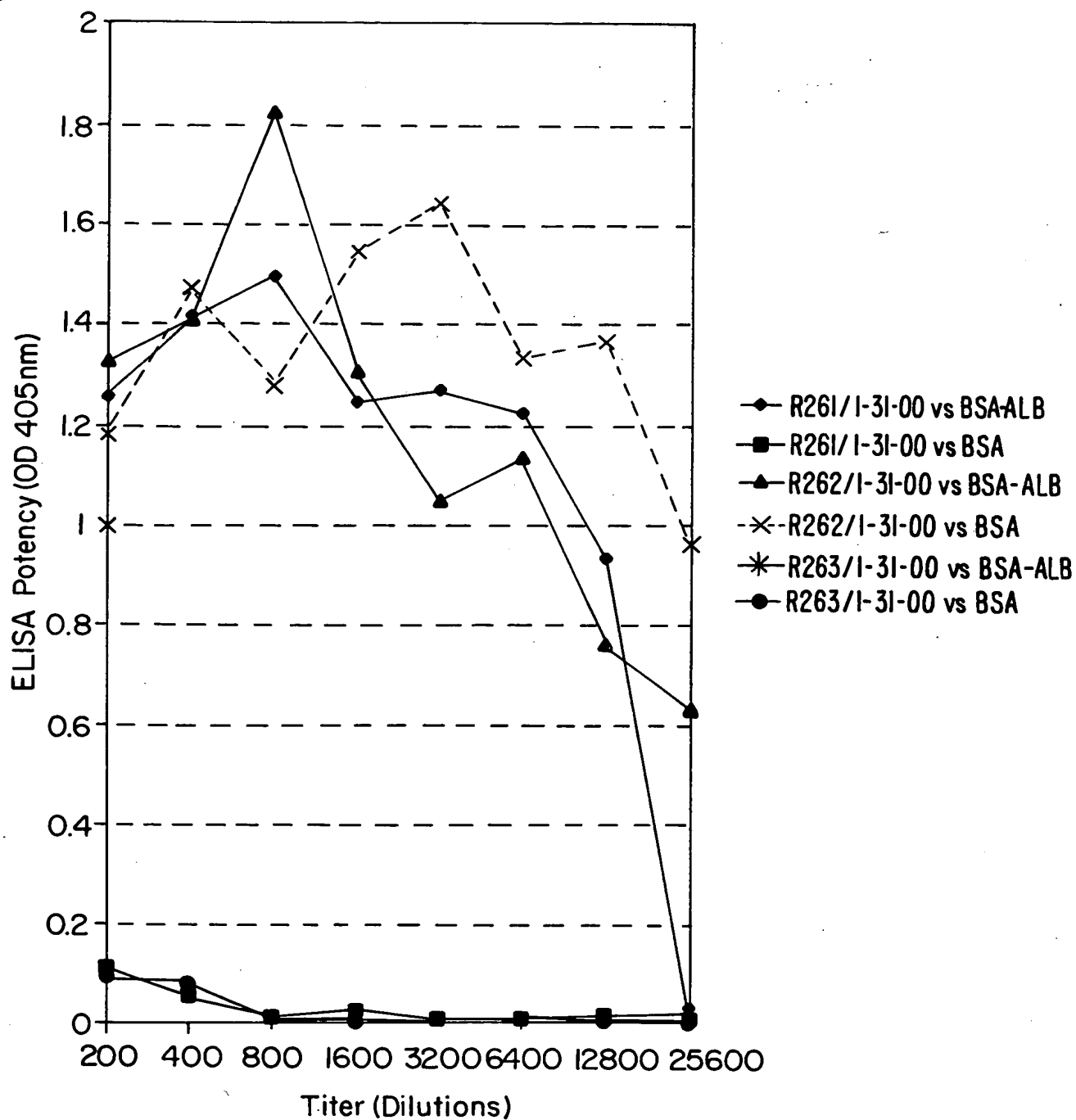


FIG. 3.

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